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2	System, method and article of manufacture for a simulation system for goal based education	706/47	434/118; 705/40; 706/46
3	System, method and article of manufacture for a goal based educational system	706/11	434/118; 706/45; 706/47; 706/927

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☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Creating single-sourced tutorials***Stieren, C.;*Professional Communication Conference, 2000. Proceedings of 2000 Joint IEEE International and 18th Annual Conference on Computer Documentation (IPCC/SIGDOC 2000) , 24-27 Sept. 2000
Pages:343 - 351[\[Abstract\]](#)[\[PDF Full-Text \(372 KB\)\]](#)**IEEE CNF****2 Interactive Web-based tutorials for engineering education***Cleaver, T.G.;*Southeastcon '99. Proceedings. IEEE , 25-28 March 1999
Pages:126 - 127[\[Abstract\]](#)[\[PDF Full-Text \(120 KB\)\]](#)**IEEE CNF**

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1 P9: A framework to provide integrated online documentation

Sogo Tsuji, Yoshikazu Yamamoto

October 2001

Proceedings of the 19th annual international conference on Comput

Full text available: pdf(139.76 KB)

Additional Information: full citation, abstract,

As the variety of software users is increasing widely, online help systems are required for users. It means the help documents are suited to users' knowledge and the addresses how online help systems can meet these requirements, and proposes Scenario-based Online help Framework). In SOF, we introduce our proposed scenario. The scenario is a meta-model of the help ...

Keywords: document meta-model, online help system design framework, scenario

2 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997

Proceedings of the 1997 conference of the Centre for Advanced Studies

Full text available: pdf(4.21 MB)

Additional Information: full citation, abstract, reference:

Understanding distributed applications is a tedious and difficult task. Visualization is often used to obtain a better understanding of the execution of the application. An event tracer developed at the University of Waterloo. However, these diagrams provide the user with the desired overview of the application. In our experience, of non-trivial communication ...

3 Teaching technical communication at a distance: Creation, costs and managing online learning

Brian Cameron, Mary Beam, Paul Beam

September 2000 Proceedings of IEEE professional communication society international conference and Proceedings of the 18th annual ACM international conference on computer supported teamwork

Full text available:  pdf(650.88 KB)

Additional Information: full citation

This paper defines the tools and operation of an operational Web-delivered, XML-based system that provides its development and operations costs and outlines how the instructor can then measure learning effectiveness. Our good news is that full-service training, at the master's level, with instructor support, can be delivered for about \$2.00 (US) per hour in a sophisticated new manner ...

4 Where campus meets the Internet: a universally accessible online documentation system

Susan Topol, Mark Smith, Suzanne Schluederberg

February 1996 Proceedings of the 13th annual international conference on Systems and software solutions for the growing complexity of our jobs

Full text available:  pdf(809.98 KB)

Additional Information: full citation, references

5 Introductory tutorials: Web-based simulation: web-based modeling and simulation

S. Narayanan

December 2000

Proceedings of the 32nd conference on Winter simulation

Full text available:  pdf(146.76 KB)


Additional Information: full citation, abstract

This paper introduces the emerging area of web-based simulations and presents challenges in this field. This introduction begins with an outline of the World Wide Web and advances on the Internet. Next, various types of applications of web-based simulation are discussed and concludes with an synopsis of research and development efforts on web-based simulation, documentation, client-side ...

6 A real world conversion to SGML

Dee Stribling, Tim Hunter, Len Olszewski, Anne Corrigan, Randy Mullis, Lloyd Allen

October 1996 Proceedings of the 14th annual international conference on Systems and software technological forces: building a corporate, academic, and user-oriented system

Full text available:  pdf(1.19 MB)

Additional Information: full citation, index

7 Online documentation: evolution rather than revolution

Marilyn Kirschen

November 1993 Proceedings of the 11th annual international conference on Systems and software

Full text available:  pdf(651.28 KB)

Additional Information: full citation, citations, index terms

8 Secure and selective dissemination of XML documents

Elisa Bertino, Elena Ferrari

August 2002

ACM Transactions on Information and System Security (TISSEC), V

Full text available:  pdf(678.34 KB)

Additional Information: full citation, abstract, referenc

XML (*eXtensible Markup Language*) has emerged as a prevalent standard for do the Web. It is often the case that XML documents contain information of differer selectively shared by (possibly large) user communities. There is thus the need specification and enforcement of access control policies for XML documents. Mec secure and selective dissemina ...

Keywords: Access control, XML, secure distribution

9 Interactive Editing Systems: Part II

Norman Meyrowitz, Andries van Dam

September 1982

ACM Computing Surveys (CSUR), Volume 14 Issue 3

Full text available:  pdf(9.17 MB) Additional Information: full citation, references, citings, index terms

10 Using Java to develop Web based tutorials

David Cole, Roger Wainwright, Dale Schoenefeld

March 1998 ACM SIGCSE Bulletin , Proceedings of the twenty-ninth SIGCSE technica education, Volume 30 Issue 1

Full text available:  pdf(680.67 KB)

Additional Information: full citation, abstract, references

This paper presents the use of Java applets acting as a web-based interface to e tools. We present an example application called GAWebTutor which was constru algorithm package and web-based Java components. In effect, we packaged an made it available to anyone on the WWW. Furthermore, by building a GUI front leveraged browser technology to ov ...

11 Reusable software components

Trudy Levine

July 1996 ACM SIGAda Ada Letters, Volume XVI Issue 4

Full text available:  pdf(2.45 MB) Additional Information: full citation, index terms

12 Business-to-business interactions: issues and enabling technologies

B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid

May 2003 The VLDB Journal &mdash; The International Journal on Very Large Data

Full text available:  pdf(558.34 KB)

Additional Information: full citation, abstract,

Business-to-Business (B2B) technologies pre-date the Web. They have existed for many years. Applications were among the first to take advantage of advances in computer networks. Electronic Data Interchange (EDI) business standard is an illustration of such an early adoption. The ubiquity and the affordability of the Web has made it possible for the mass of interactions. However, several issues ...

Keywords: B2B Interactions, Components, E-commerce, EDI, Web services, Wo


13 Computing curricula 2001

September 2001 Journal on Educational Resources in Computing (JERIC)

Full text available:  pdf(613.63 KB)  html(2.78 KB) Additional Information: full citation, references, citations, in**14 Performance support: online, integrated documentation and training**

William R. Bezanson

February 1996 Proceedings of the 13th annual international conference on Systems and solutions for the growing complexity of our jobs

Full text available:  pdf(1.05 MB)

Additional Information: full citation, references, citations,

15 Information delivery systems: an exploration of Web pull and push technologies

Julie E. Kendall, Kenneth E. Kendall

April 1999 Communications of the AIS

Full text available:  pdf(658.33 KB)

Additional Information: full citation, references, citations, index terms

16 Evolving the browser towards a standard user interface architecture

Michael J. Rees

January 2002 Australian Computer Science Communications , Third Australasian con
Volume 24 Issue 4

Full text available:  pdf(857.16 KB)

Additional Information: full citation, abstract, referen

If current trends continue, it is likely that the web browser will become the only applications will become the predominant software. Should this happen, user int evaluation skills can become more focussed and effective. Some of the benefits are discussed in the context of web application tools produced by the author and architecture of the Web brings speci ...



Keywords: XML, browser user interface, user interface markup language, user ir

17 Computer-supported instruction: Natural-language processing for computer

D. S. Himmelman

December 2001

intelligence, Volume 12 Issue 4

Full text available:  pdf(678.09 KB)  html(39.97 KB)

Additional Information: full citation, referi

18 Spoken dialogue technology: enabling the conversational user interface

March 2002

ACM Computing Surveys (CSUR), Volume 34 Issue 1

Full text available:  pdf(987.69 KB)

Additional Information: full citation, abstract, references,

Spoken dialogue systems allow users to interact with computer-based applicatio by using natural spoken language. The origins of spoken dialogue systems can t research in the 1950s concerned with developing conversational interfaces. How so, with major advances in speech technology, that large-scale working systems cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language gener recognition, speech synthesis

19 BASE: Using abstraction to improve fault tolerance

Miguel Castro, Rodrigo Rodrigues, Barbara Liskov

August 2003

ACM Transactions on Computer Systems (TOCS), Volume 21 Issi

Full text available:  pdf(438.18 KB)

Additional Information: full citation, abstract, referenc

Software errors are a major cause of outages and they are increasingly exploited. Fault tolerance allows replicated systems to mask some software errors but it is expensive. A new replication technique, BASE, which uses abstraction to reduce the cost of Byzantine fault tolerance, allows a system to mask software errors. BASE reduces cost because it enables reuse of components. BASE improves availability ...

Keywords: Byzantine fault tolerance, N-version programming, asynchronous systems, fault replication

20 Reviewed articles: SIGAda 2001 workshop, "creating a symbiotic relationship between software and hardware"

Robert C. Leif

September 2002

ACM SIGAda Ada Letters, Volume XXII Issue 3

Full text available:  pdf(1.39 MB)

Additional Information: full citation, abstract, references, citir

The purpose of the workshop was to organize the Ada community to take advantage of the advances in hardware and software technology. The workshop focused on applications that are operating systems independent because they are based on the Ada Markup Language. The commercial use of the Internet is the driving force behind the workshop. The workshop topics are sufficient to build a web application, and all employ the same syntax. The workshop topics are: the Extensible Stylesheet Language, ...

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21 VisA: towards a students' green card to automata theory and formal langua

Markus Holzer, Muriel Quenzer

July 1998 Proceedings of the third Australasian conference on Computer science edi

Full text available: pdf(864.73 KB)

Additional Information: full citation, references, index terms

22 Interactive Editing Systems: Part I

Norman Meyrowitz, Andries van Dam

September 1982 ACM Computing Surveys (CSUR), Volume 14 Issue 3

Full text available: pdf(3.08 MB) Additional Information: full citation, citings, index terms

23 A web based environment for learning to program

Nghi Truong, Peter Bancroft, Paul Roe

February 2003 Proceedings of the twenty-sixth Australasian computer science conference
practice in information technology - Volume 16

Full text available:  pdf(1.51 MB)

Additional Information: full citation, abstract, reference

The purpose of this paper is to describe in detail the current development status Learning to Program (ELP) which provides an interactive web-based environment for first year Information Technology students at Queensland University of Technology (QUT). The early stages of their course without the need to familiarize themselves with the environment. Most importantly, it eliminates all ...

Keywords: Java, XML, computer programming, online learning, tutoring system,

24 The OHCO model of text: merits and concerns

Stuart A. Selber

August 1997 ACM SIGDOC Asterisk Journal of Computer Documentation, Volume 21


Full text available:  pdf(564.71 KB)

Additional Information: full citation, index terms

25 Document Formatting Systems: Survey, Concepts, and Issues

Richard Furuta, Jeffrey Scofield, Alan Shaw


September 1982 ACM Computing Surveys (CSUR), Volume 14 Issue 3

Full text available:  pdf(5.36 MB) Additional Information: full citation, references, citations, index terms

26 XML: not a silver bullet, but a great pipe wrench


Tommie Usdin, Tony Graham

September 1998 StandardView, Volume 6 Issue 3

Full text available:  pdf(86.79 KB) Additional Information: full citation, index terms, review

27 Research sessions: distributed systems: Proxy-based acceleration of dynamic wide web: an approach and implementation

Anindya Datta, Kaushik Dutta, Helen Thomas, Debra VanderMeer, Suresha, Krithi I
June 2002 Proceedings of the 2002 ACM SIGMOD international conference on Ma

Full text available:  pdf(1.37 MB)

Additional Information: full citation, abstract, references, c

As Internet traffic continues to grow and web sites become increasingly complex issues for web sites. Web sites are increasingly relying on dynamic content generated by visitors with dynamic, interactive, and personalized experiences. However, dynamic content --- each request requires computation as well as communication across multiple servers and various dynamic content caches ...

Keywords: dynamic content, edge caching, proxy-based caching

28 Single sourcing: Scenario-based and model-driven information development

Michael Priestley

October 2003

Proceedings of the 21st annual international conference on Docu

Full text available:  pdf(206.31 KB)


Additional Information: full citation, abstract, referen

In this paper, I describe how I followed an end-to-end development process in order to help information for XML DITA, using scenarios to define my information needs and a model. By using technology driven by maps and scenarios, I was able to keep track of requirements from its inception through to its final form. The paper will also look at how it can help keep information ...

Keywords: DITA, XML, information development process, maps, model-driven development, scenarios

29 Formative design evaluation of superbook

Dennis E. Egan, Joel R. Remde, Louis M. Gomez, Thomas K. Landauer, Jennifer Eberhardt
January 1989 ACM Transactions on Information Systems (TOIS), Volume 7 Is:

Full text available:  pdf(2.53 MB)

Additional Information: full citation, abstract, references, cit

SuperBook is a hypertext browsing system designed to improve the usability of different versions of SuperBook were evaluated in a series of behavioral studies. Student text. presented either in conventional printed form or in SuperBook form. The book helped students to answer search questions more quickly and accurately than they could have written higher quality "open" ...

30 A composable framework for secure multi-modal access to internet service

Steven J. Ross, Jason L. Hill, Michael Y. Chen, Anthony D. Joseph, David E. Culler,
October 2002 Mobile Networks and Applications, Volume 7 Issue 5

Full text available:  pdf(340.33 KB)

Additional Information: full citation, abstract, referen

The Post-PC revolution is bringing information access to a wide range of devices kiosks, and mobile devices like cellular telephones, PDAs, and voice based vehic Internet services are geared toward the secure rich interface of private desktop infrastructure-based secure proxy architecture to bridge the gap between the ca requirements of Internet ser ...

Keywords: internet, middleware, post-PC, security, transcoding

31 Centaurus: an infrastructure for service management in ubiquitous computi

Lalana Kagal, Vladimir Korolev, Sasikanth Avancha, Anupam Joshi, Tim Finin, Yelei
November 2002 Wireless Networks, Volume 8 Issue 6

Full text available:  pdf(553.67 KB)

Additional Information: full citation, abstract, referen

In the near future, we will see dramatic changes in computing and networking h phones, PDAs, even small household appliances) will become computationally er embedded in most engineered artifacts, from the clothes we wear to the roads v (wirelessly) networked using Bluetooth, IEEE 802.15 or IEEE 802.11 for short ra environments. In this age wh ...

Keywords: mobile computing, pervasive computing, service management, ubiqu

32 The "HyTime": hypermedia/time-based document structuring

Steven R. Newcomb, Neill A. Kipp, Victoria T. Newcomb
November 1991 Communications of the ACM, Volume 34 Issue 11

Full text available:  pdf(12.96 MB)

Additional Information: full citation, references, citings, index terms

33 Conversations with Clement Mok and Jakob Nielsen, and with Bill Buxton a

Richard I. Anderson
January 2000 interactions, Volume 7 Issue 1

Full text available:  pdf(986.68 KB)

Additional Information: full citation, citings, index terms

34 Software components using symbolic computation for problem solving envi

Y. N. Lakshman, Bruce Char, Jeremy Johnson

August 1998 Proceedings of the 1998 international symposium on Symbolic and alge

Full text available:  pdf(319.23 KB)

Additional Information: full citation, references, citings, index te

35 Towards a new generation of authoring tools

Rick Sobiesiak

February 1996 Proceedings of the 13th annual international conference on Systems c
solutions for the growing complexity of our jobsFull text available:  pdf(520.55 KB)

Additional Information: full citation, references, citir

36 SIGda '96, workshop: how do we expedite the commercial use of Ada?

Robert C. Leif

March 1999 ACM SIGAda Ada Letters, Volume XIX Issue 1

Full text available:  pdf(858.93 KB)

Additional Information: full citation, citings, index terms

37 Productivity tools for web-based information

Robin Green

September 1998 Proceedings of the 16th annual international conference on Computi

Full text available:  pdf(836.75 KB)

Additional Information: full citation, references, citings, index te

38 Databases on the Web: technologies for federation architectures and case

Ralf Kramer

June 1997 ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD internatio
Volume 26 Issue 2Full text available:  pdf(662.26 KB)

Additional Information: full citation, references, citir

39 A secure infrastructure for service discovery and access in pervasive comp

Jeffrey Undercoffer, Filip Perich, Andrej Cedilnik, Lalana Kagal, Anupam Joshi

April 2003

Mobile Networks and Applications, Volume 8 Issue 2

Full text available:  pdf(308.34 KB)

Additional Information: full citation, abstract, referen

Security is paramount to the success of pervasive computing environments. The a communications and security infrastructure that goes far in advancing the goa work securely enables clients to access and utilize services in heterogeneous ne and discovery mechanism implemented through a hierarchy of service managen Public Key Infrastructure t ...

Keywords: distributed services, extensible markup language, pervasive computi

40 Virtual enterprise access control requirements

M. Coetzee, J. H. P. Eloff

September 2003 Proceedings of the 2003 annual research conference of the South Ai
information technologists on Enablement through technologyFull text available:  pdf(126.63 KB)

Additional Information: full citation, abstract, referen




Current developments in IT point towards the formation of loosely coupled enter enterprises. These enterprises require both secure and flexible collaboration bet services technology can be used as an ideal platform for realising virtual enterpr flexibility, and support of XML vocabularies. To ensure the successful implement enterprises, new approa ...

Keywords: B2B, SOAP, XML, access control, design, federation, management, rc virtual enterprises, web services

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41 Effective Web data extraction with standard XML technologies

Jussi Myllymaki

April 2001 Proceedings of the tenth international conference on World Wide Web

Full text available: pdf(198.81 KB)

Additional Information: full citation, references, index terms

Keywords: crawling, data extraction, deep Web, semistructured data, wrappers

42 An intelligent distributed environment for active learning

August 2001

Journal on Educational Resources in Computing (JERIC)

Full text available: pdf(116.71 KB)

Additional Information: full citation, abstract, references, i

Active learning is an effective learning approach. In this article we present an in active learning to better support the student-centered, selfpaced, and highly int environment uses the students learningrelated profile such as learning style and organizing, and presenting learning material, and it adopts a new approach to c based on smart instruct ...

Keywords: XML, active learning, multiagent system, web-based education

43 Exploiting reflection in mobile computing middleware

Licia Capra, Gordon S. Blair, Cecilia Mascolo, Wolfgang Emmerich, Paul Grace

October 2002 ACM SIGMOBILE Mobile Computing and Communications Review,

Full text available:  pdf(121.82 KB)

Additional Information: full citation, abstract, referen

The increasing popularity of portable devices and recent advances in wireless ne engineering of new classes of applications, which present challenging problems t temporary and unannounced loss of network connectivity when they are moved, and they are required to react to frequent changes in the environment. To accor imposed by mobility, middleware platforms f ...

44 Resource section: books

Michele Tepper, Jay Blickstein

November 1998 netWorker, Volume 2 Issue 5

Full text available:  pdf(207.20 KB) Additional Information: full citation, references, index terms**45 Dynamic views of SGML tagged documents**

B. Fraser, J. Roberts, G. Pianosi, P. Alencar, D. Cowan, D. German, L. Nova

October 1999 Proceedings of the 17th annual international conference on Comput

Full text available:  pdf(818.10 KB)

Additional Information: full citation, abstract, references,

Product information is more frequently being delivered as hypertext webs or doc World-Wide Web and the associated communications infrastructure. However, th number of files and hyperlinks can become very complex and present significant maintainer and user. Because of this complexity it becomes extremely difficult to of a document, a supposed adv ...

Keywords: SGML, SQL, World-Wide Web, XML, documentation, dynamic views, l languages, usability

46 Mosaic-surfing at home and abroad

Sarah Baker

October 1994 Proceedings of the 22nd annual ACM SIGUCCS conference on User ser

Full text available:  pdf(560.97 KB)

Additional Information: full citation, references, index terms

47 Leviathon: Accessing On-Line Information through Linux.

Paul M. Sittler

April 1995 Linux Journal

Full text available:  html(17.90 KB) Additional Information: full citation, index terms

48 ViBE: virtual biology experiments

Rajaram Subramanian, Ivan Marsic

April 2001 Proceedings of the tenth international conference on World Wide Web

Full text available:  pdf(446.09 KB)

Additional Information: full citation, references, index terms

Keywords: distributed learning, software design, virtual laboratories

49 Mobile commerce: framework, applications and networking support

Upkar Varshney, Ron Vetter

June 2002

Mobile Networks and Applications, Volume 7 Issue 3

Full text available:  pdf(352.17 KB)

Additional Information: full citation, abstract, references,


Advances in e-commerce have resulted in significant progress towards strategic e-commerce applications. However, nearly all e-commerce applications envision stationary users with wired infrastructure. We envision many new e-commerce applications that will significantly benefit from emerging wireless and mobile networks. To allow designers to design and create mobile commerce ...

Keywords: layered framework, middleware, mobile applications, mobile commerce

50 Enhancing student learning through on-line quizzes

Denise Woit, Dave Mason

March 2000 ACM SIGCSE Bulletin , Proceedings of the thirty-first SIGCSE technical symposium on computer science education, Volume 32 Issue 1

Full text available:  pdf(1.07 MB)

Additional Information: full citation, abstract, references, citations

We have experimented with the use of weekly on-line quizzes to enhance student learning in computer science courses. In our experiments we compared the effectiveness of using quizzes with traditional laboratory assignments. The results of our experiments show that students benefit from on-line quizzes. Weekly quizzes would be impossible if they were administered in a traditional manner; thus, we developed and used ...

51 A marking based interface for collaborative writing

Gary Hardock, Gordon Kurtenbach, William Buxton

December 1993 Proceedings of the 6th annual ACM symposium on User interface software

Full text available:  pdf(755.36 KB)

Additional Information: full citation, references, citations, index terms

52 Putting innovation to work: adoption strategies for multimedia communication

Ellen Francik, Susan Ehrlich Rudman, Donna Cooper, Stephen Levine

December 1991

Communications of the ACM, Volume 34 Issue 12

Full text available:  pdf(4.59 MB)

Additional Information: full citation, abstract, references, citing

Multimedia communication systems promise better support for widely distributed communication—problem-solving, negotiating, planning, and design —new technologies into the marketplace, however, can require years of investment. Productive uses for new systems takes time. Adoption strategies are needed to

Keywords: Adoption, CSCW, Freestyle, computer-supported cooperative work, ii

53 HydroJ: object-oriented pattern matching for evolvable distributed systems

Keunwoo Lee, Anthony LaMarca, Craig Chambers

October 2003 ACM SIGPLAN Notices , Proceedings of the 18th ACM SIGPLAN conference on programming languages, systems, languages, and applications, Volume 38 Issue 11

Full text available:  pdf(311.06 KB)

Additional Information: full citation, abstract, references

In an evolving software system, components must be able to change independently of their peers. One obstacle to independent evolution is the *brittle parameter problem*: a component that communicates can depend on a number of *inessential* details of the types, structures, and data communicated. If these details change, then the components can no longer communicate. The message remain ...

Keywords: HydroJ, XML, distributed systems, dynamic dispatch, object-oriented programming, semi-structured data, software evolution, ubiquitous computing

54 A 3D XML-based customized framework for dynamic models

Taewoo Kim, Paul A. Fishwick

February 2002

Proceeding of the seventh international conference on 3D Web technologies

Full text available:  pdf(377.94 KB)

Additional Information: full citation, abstract, references, citing

There are numerous forms for dynamic models, which specify how an object or automata, Petri nets, and data flow graphs are only a few samples of model types capturing dynamics. Whereas most modeling frameworks employ rigidly defined such abstract entities as state, event, and function, we present a system called models in 3D, and with person ...

Keywords: 3D, MXL, VRML, X3D, XML, XSLT, aesthetic computing, aesthetic programming, design, personalization, rube

55 Packrat parsing:: simple, powerful, lazy, linear time, functional pearl

Bryan Ford

September 2002 ACM SIGPLAN Notices , Proceedings of the seventh ACM SIGPLAN ir programming, Volume 37 Issue 9

Full text available:  pdf(171.57 KB)

Additional Information: full citation, abstract, referen

Packrat parsing is a novel technique for implementing parsers in a lazy function; parser provides the power and flexibility of top-down parsing with backtracking guarantees linear parse time. Any language defined by an $LL(k)$ or $LR(k)$ grammar in addition to many languages that conventional linear-time algorithms do not support the handling ...

Keywords: Haskell, backtracking, lexical analysis, memoization, parser combination parsing

56 An intelligent distributed environment for active learning

Yi Shang, Hongchi Shi, Su-Shing Chen

April 2001 Proceedings of the tenth international conference on World Wide Web

Full text available:  pdf(200.31 KB)

Additional Information: full citation, references, citations, index terms

Keywords: XML, active learning, multi-agent system, web-based education

57 A taxonomy of see-through tools

Eric A. Bier, Maureen C. Stone, Ken Fishkin, William Buxton, Thomas Baudel

April 1994 Proceedings of the SIGCHI conference on Human factors in computing systems

Full text available:  pdf(949.69 KB)

Additional Information: full citation, references, citations

Keywords: button, control panel, lens, macro, menu, multihand, transparent, user interface

58 Distributed query evaluation on semistructured data

Dan Suciu

March 2002

ACM Transactions on Database Systems (TODS), Volume 27 Issue 1

Full text available:  pdf(689.88 KB)

Additional Information: full citation, abstract, references, comments

Semistructured data is modeled as a rooted, labeled graph. The simplest kinds of queries are those that traverse paths described by regular path expressions. More complex queries correspond to queries with complex data restructuring, and with sub-queries. This article addresses the problem of query evaluation on distributed, semistructured databases. In our setting, the nodes of the database are sites, and the ...

Keywords: Distributed evaluation, nested queries, parallel complexity, regular expressions

59 Inverted files versus signature files for text indexing

Justin Zobel, Alistair Moffat, Kotagiri Ramamohanarao

December 1998

ACM Transactions on Database Systems (TODS), Volume 23 Issue 4

Full text available:  pdf(243.62 KB)

Additional Information: full citation, abstract, references, comments

Two well-known indexing methods are inverted files and signature files. We have examined these two approaches in the context of text indexing, paying particular attention to the requirements of large-scale text indexing. We have examined their relative performance using both experimental and theoretical modeling of signature files, and demonstrate that inverted files are distinctly superior. Inverted files can be used to evaluate ...

Keywords: indexing, inverted files, performance, signature files, text databases, text processing

60 Indexing and retrieval of scientific literature

Steve Lawrence, Kurt Bollacker, C. Lee Giles

November 1999

Proceedings of the eighth international conference on Information and Knowledge Management

Full text available:  pdf(985.22 KB)

Additional Information: full citation, abstract, references, comments

The web has greatly improved access to scientific literature. However, scientific literature is disorganized, with research articles being spread across archive sites, institutional homepages. No index covers all of the available literature, and the major web search engines do not contain content of Postscript/PDF documents at all. This paper discusses the creation of a new index of the web, including ...

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((tutorial AND online) AND markup) AND execute): 56 patents.

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- | PAT. NO. | Title |
|--------------|--|
| 1 6,658,464 | <u>T User station software that controls transport, storage, and presentation of content from a remote source</u> |
| 2 6,658,398 | <u>T Goal based educational system utilizing a remediation object</u> |
| 3 6,640,145 | <u>T Media recording device with packet data interface</u> |
| 4 6,636,889 | <u>T System and method for client replication of collaboration space</u> |
| 5 6,633,742 | <u>T System and method for adaptive knowledge access and presentation</u> |
| 6 6,625,581 | <u>T METHOD OF AND SYSTEM FOR ENABLING THE ACCESS OF CONSUMER PRODUCT RELATED INFORMATION AND THE PURCHASE OF CONSUMER PRODUCTS AT POINTS OF CONSUMER PRESENCE ON THE WORLD WIDE WEB (WWW) AT WHICH CONSUMER PRODUCT INFORMATION REQUEST (CPIR) ENABLING SERVLET TAGS ARE EMBEDDED WITHIN HTML-ENCODED DOCUMENTS</u> |
| 7 6,611,862 | <u>T User station software that controls transport and presentation of content from a remote source</u> |
| 8 6,611,822 | <u>T System method and article of manufacture for creating collaborative application sharing</u> |
| 9 6,601,057 | <u>T Method and apparatus for generating and modifying multiple instances of an element of a web site</u> |
| 10 6,594,692 | <u>T Methods for transacting electronic commerce</u> |
| 11 6,594,664 | <u>T System and method for online/offline uninterrupted updating of rooms in collaboration space</u> |
| 12 6,557,054 | <u>T Method and system for distributing updates by presenting directory of software available for user installation that is not already installed on user station</u> |

- 13 6,549,893 **T** System, method and article of manufacture for a goal based system utilizing a time based model
- 14 6,542,880 **T** System, method and article of manufacture for a goal based system utilizing a table based architecture
- 15 6,539,302 **T** Method, system, and article of manufacture for providing notification of traffic conditions
- 16 6,535,861 **T** Goal based educational system with support for dynamic characteristics tuning using a spread sheet object
- 17 6,535,855 **T** Push banking system and method
- 18 6,529,934 **T** Information processing system and method for same
- 19 6,493,690 **T** Goal based educational system with personalized coaching
- 20 6,424,979 **T** System for presenting and managing enterprise architectures
- 21 6,400,996 **T** Adaptive pattern recognition based control system and method
- 22 6,347,333 **T** Online virtual campus
- 23 6,339,767 **T** Using hyperbolic trees to visualize data generated by patent-centric and group-oriented data processing
- 24 6,334,103 **T** Voice user interface with personality
- 25 6,298,445 **T** Computer security
- 26 6,247,020 **T** Development system with application browser user interface
- 27 6,223,215 **T** Tracking a user's purchases on the internet by associating the user with an inbound source and a session identifier
- 28 6,212,556 **T** Configurable value-added network (VAN) switching
- 29 6,202,060 **T** Data management system
- 30 6,144,938 **T** Voice user interface with personality
- 31 6,134,539 **T** System, method and article of manufacture for a goal based education and reporting system
- 32 6,125,358 **T** System, method and article of manufacture for a simulation system for goal based education of a plurality of students
- 33 6,101,489 **T** System, method and article of manufacture for a goal based system utilizing a time based model
- 34 6,085,184 **T** System, method and article of manufacture for a dynamic toolbar in a tutorial system
- 35 6,073,127 **T** System, method and article of manufacture for a goal based system with dynamic feedback information
- 36 6,067,538 **T** System, method and article of manufacture for a simulation enabled focused feedback tutorial system
- 37 6,067,537 **T** System, method and article of manufacture for a goal based educational system with support for dynamic personality feedback
- 38 6,064,998 **T** System, method and article of manufacture for a simulation engine with an expert system example processing engine
- 39 6,043,818 **T** Background image with a continuously rotating and functional 3D icon
- 40 6,032,141 **T** System, method and article of manufacture for a goal based educational system with

support for dynamic tailored feedback

- 41 [6,029,159](#)  [System, method and article of manufacture for a simulation enabled accounting tutorial system](#)
 - 42 [6,029,158](#)  [System, method and article of manufacture for a simulation enabled feedback system](#)
 - 43 [6,029,156](#)  [Goal based tutoring system with behavior to tailor to characteristics of a particular user](#)
 - 44 [6,026,386](#)  [System, method and article of manufacture for a goal based educational system with support for dynamic media control](#)
 - 45 [6,023,692](#)  [Goal based tutoring system with behavior to control flow of presentation](#)
 - 46 [6,023,691](#)  [Goal based stimulator utilizing a spreadsheet architecture](#)
 - 47 [6,018,732](#)  [System, method and article of manufacture for a runtime program regression analysis tool for a simulation engine](#)
 - 48 [6,018,731](#)  [System, method and article of manufacture for a goal based system utilizing a spreadsheet and table based architecture](#)
 - 49 [6,018,730](#)  [System, method and article of manufacture for a simulation engine with a help website and processing engine](#)
 - 50 [6,016,486](#)  [System method and article of manufacture for a goal based system utilizing an activity table](#)
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PAT. NO.	Title
51 6,005,579	T User interface for displaying windows on a rectangular parallelepiped
52 6,003,021	T System, method and article of manufacture for a simulation system for goal based education
53 6,002,403	T Graphical navigation control for selecting applications on visual walls
54 5,987,443	T System, method and article of manufacture for a goal based educational system
55 5,845,120	T Method and apparatus for linking compiler error messages to relevant information
56 5,745,109	T Menu display interface with miniature windows corresponding to each page

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